**TEAM-8**

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**README**

1. Run the "**Makefile**" through "**make**" command and it will create "**main**" file.

2. Configure your board by assigning it a static ip between 192.168.1.0 to 192.168.1.255

3. Whenever you disconnect and connect the ethernet cable from your board, run the following command at your "**root@quark#:**" terminal

**ifconfig enp0s20f6 *(your assigned ip)* netmask 255.255.0.0 up**

4. After you have configured the board you need to copy the file "**test**" to the home directory on board through command

**scp *(path of the files to be copied)* root@*(your assigned ip)*:/home**

5. Connect the **Distance Sensor** to the board at the pins **IO2 for trigger, IO3 for echo** andthe **VCC at 5V** and connect the ground wire at the **GND** on board.

6. Connect the **LED Matrix** to the board at the pins **IO11 for DIN, IO12 for CS, IO13 for CLK** andthe **VCC at 5V** and connect the ground wire at the **GND** on board.

7. Run the executable file through “**./main”** command.

8. We have given the termination time to 45 seconds, i.e. our program will run for 45 seconds and then terminate automatically.